

The part number for film capacitors for use in electronics, comprising 10 digits, is formed as below;

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(1) (2) (3) (4) (5) (6) (7) (8) (9) (10)

(1):Kind of capacitor

To denote special design, **(D)** for Double-sided metallized capacitor or **(H)** for heavy edge metallization is added.

(2):Shape of capacitor

(3):Dielectric film

(4):Operating temperature

(5):Internal use

To denote special construction, **R** for LH-reversed or **(s)** for small size is added.

(6):DC rated voltage code

The 1st. digit: the number of zeros to follow the 2nd letter.(for example:2E=250VDC)

1st digit	2nd letter									
	A	B	C	D	E	F	G	H	J	K
1	10	12.5	16	20	25	31.5	40	50	63	80
2	100	125	160	200	250	315	400	500	630	800
3	1000	1250	1600	2000	2500	3150	4000	5000	6300	8000

*Expressed in tens of volts except for the above table.(for example:150=1500VDC).

(7):Rated capacitance expressed in pF.






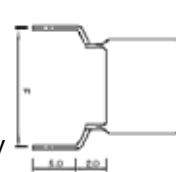

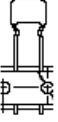
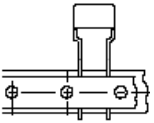
3 digit code where, the 1st. two digits are the significant figures of nominal capacitance value in pF, the 3rd is the number of zeros to follow the significant figures.(for example 153=15000pF=0.015uF)

(8):Capacitance tolerance code

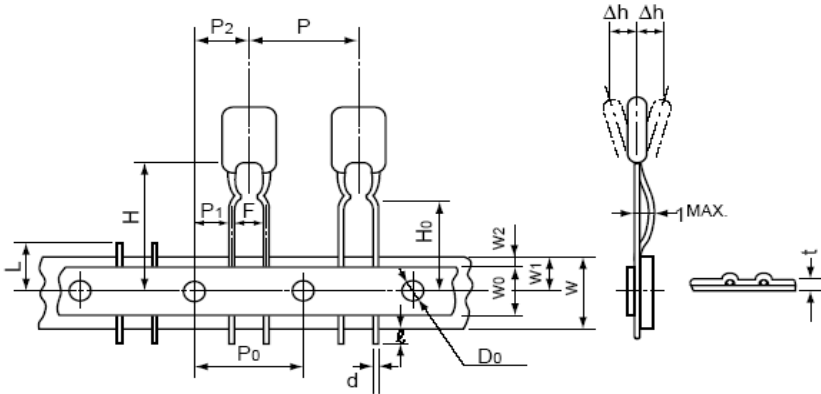
tolerance	code
±10%	K
± 5%	J
± 2%	G
± 1%	F
± 2.5%	H
±20 %	M

(9)(10):Packaging and lead configuration or Lead pitch code

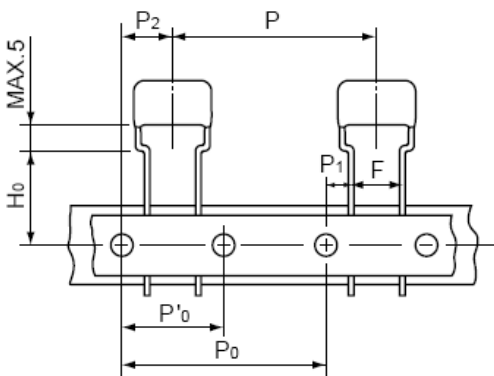
No code for straight long leads, bulk, loose parts in a poly.bag.

Packaging	Lead configuration	Code	Example
	Straight leads  long leads	No code followed by a 4digit integer, lead pitch in tenth of mm	Lead pitch 15mm: 0150
	 short leads with cut leads	C Code C followed by a 3digit integer, lead length in tenth of mm	Standard lead length 5mm: C050
Bulk, loose parts in a poly. bag 	inner  crimped	FS	Lead pitch 15mm: FS0150
	inner  hockey		
	outer  hockey	FU	Lead pitch 15mm: FU0150
Taped packed in Ammo. for automatic insertion 	T/A	 S	Each code followed by a 4 digit integer, lead pitch of formed leads in tenth of mm Lead pitch 5mm: T/AS0050 Pitch of component(P): 12.7mm
		 T	*For more information see below [taping spec. for automatic insertion] Lead pitch 7.5mm: T/AT0075 Pitch of component(P): 30.0mm

① Lead pitch: 5mm with pitch of component(P):12.7mm(T/AS0050)



② Lead pitch:7.5mm with pitch of component(P):30.0mm(T/AT0075)



③ Taping specification

item(symbol)		dimensions in mm	
		T/AS0050	T/AT0075
pitch	of component(P)	12.7±1.0	30.0±1.0
	of feed hole(Po)	12.7±0.3	30.0±0.3 *P'o=15.0±0.3
distance	between hole and lead wire(P1)	3.85±0.7	3.75±0.7
		component(P2)	6.35±1.3
	lead to lead(F)	5.0±0.8	7.5±0.8
Tilt of component(Δh)		0 ±2.0	
width	carrier tape(W)	18.0±1.0	
	hold-down tape(Wo)	9.5min.	12.5min.
slip out	of hole(W1)	9.0±0.5	
	of hold-down tape(W2)	3.0max.	
lead wire clinch height(Ho)		16.0±0.5	
feed hole diameter(Do)		4.0±0.2	
total tape thickness(t)		0.7±0.2	
cut length of rejected components(L)		11.0max.	
height of component from tape center(H)		20.0±0.75	
length of cut lead(ℓ)		2.0max.	